

What is claimed is:

1. A node, adapted for use in a wireless communications network and being capable of determining its mobility, said wireless communications network comprising a plurality of other nodes, at least some of which being stationary, said node comprising:

a transceiver, adapted to communicate or attempt to communicate with at least one of said stationary other nodes in said network; and

a controller, adapted to determine a mobility factor of said node based on said communication or attempted communication with said at least one stationary other node, and being adapted to control a rate at which said transceiver sends information pertaining to said node to at least one of said other nodes in said network based on said mobility factor.

2. A node as claimed in claim 1, wherein:

said mobility factor represents a rate of mobility of said node.

3. A node as claimed in claim 2, wherein:

said rate at which said controller controls said transceiver to send said information is proportional to said rate of mobility.

4. A node as claimed in claim 1, wherein:

said communication by said transceiver with said at least one other stationary node enables said node to determine its distance to said at least one other stationary node.

5. A node as claimed in claim 1, wherein:

said attempted communication by said transceiver with said at least one other stationary node enables said node to determine whether said at least one other stationary node is within a transmission range of said node.

09987102 111301

6. A node as claimed in claim 1, wherein:

at least one of said stationary nodes includes a stationary router, adapted to route data packets which it receives that are addressed to other nodes to said other nodes.

7. A node as claimed in claim 1, wherein:

at least one of said stationary nodes includes an access point, adapted to provide said node and a said other node with access to at least one of another portion of said network and another network different from said network.

8. A node as claimed in claim 1, wherein:

said network includes an ad-hoc network.

9. A method of determining a mobility of a node, which is adapted for use in a wireless communications network, said wireless communications network comprising a plurality of other nodes, at least some of which being stationary, said method comprising:

controlling said node to communicate or attempt to communicate with at least one of said stationary other nodes in said network;

determining a mobility factor of said node based on said communication or attempted communication with said at least one stationary other node; and

controlling a rate at which said node sends information pertaining to itself to at least one of said other nodes in said network based on said mobility factor.

10. A method as claimed in claim 9, wherein:

said mobility factor represents a rate of mobility of said node.

11. A method as claimed in claim 10, wherein:

09987102-11301

said rate at which said rate controlling controls said node to send said information is proportional to said rate of mobility.

12. A method as claimed in claim 9, wherein:

said communication by said node with said at least one other stationary node enables said node to determine its distance to said at least one other stationary node.

13. A method as claimed in claim 9, wherein:

said attempted communication by said node with said at least one other stationary node enables said node to determine whether said at least one other stationary node is within a transmission range of said node.

14. A method as claimed in claim 9, wherein:

at least one of said stationary nodes includes a stationary router, adapted to route data packets which it receives that are addressed to other nodes to said other nodes.

15. A method as claimed in claim 9, wherein:

at least one of said stationary nodes includes an access point, adapted to provide said node and a said other node with access to at least one of another portion of said network and another network different from said network.

16. A method as claimed in claim 9, wherein:

said network includes an ad-hoc network.

17. A computer-readable medium of instructions, adapted to determine a mobility of a node, which is adapted for use in a wireless communications network, said wireless communications network comprising a plurality of other nodes, at least some of which being stationary, said computer readable medium of instructions comprising:

09987102-11301

a first set of instructions, adapted to control said node to communicate or attempt to communicate with at least one of said stationary other nodes in said network;

a second set of instructions, adapted to determine a mobility factor of said node based on said communication or attempted communication with said at least one stationary other node; and

a third set of instructions, adapted to control a rate at which said node sends information pertaining to itself to at least one of said other nodes in said network based on said mobility factor.

18. A computer-readable medium of instructions as claimed in claim 17, wherein:

said mobility factor represents a rate of mobility of said node.

19. A computer-readable medium of instructions as claimed in claim 18, wherein:

said rate at which said third set of instructions controls said node to send said information is proportional to said rate of mobility.

20. A computer-readable medium of instructions as claimed in claim 17, wherein:

a fourth set of instructions, adapted to determine a distance of said node to said at least one other stationary node based on said communication by said node with said at least one other stationary node.

21. A computer-readable medium of instructions as claimed in claim 17, wherein:

a fifth set of instructions, adapted to determine whether said at least one other stationary node is within a transmission range of said node based on said attempted communication by said node with said at least one other stationary node.

09987102-111301

22. A computer-readable medium of instructions as claimed in claim 17, wherein:

at least one of said stationary nodes includes a stationary router, adapted to route data packets which it receives that are addressed to other nodes to said other nodes.

23. A computer-readable medium of instructions as claimed in claim 17, wherein:

at least one of said stationary nodes includes an access point, adapted to provide said node and a said other node with access to at least one of another portion of said network and another network different from said network.

24. A computer-readable medium of instructions as claimed in claim 17, wherein:

said network includes an ad-hoc network.

09987102 "111301